QUESTEL.ORBIT (TM) 1998 Search statement 2 25/06/03 14*20*16

1 / 1 PLUSPAT - @QUESTEL-ORBIT

PN - US5171671 A 19921215 [US5171671]

TI - (A) Retinoic acid receptor composition

PA - (A) SALK INST FOR BIOLOGICAL STUDI (US)

PAO - The Salk Institute for Biological Studies, San Diego CA [US]

IN - (A) EVANS RONALD M (US); ONG ESTELITA S (US); SEGUI PRUDIMAR S (US); THOMPSON CATHERINE C (US); UEMSONO KAZUHIKO (US); GIGUERE VINCENT (CA)

AP - US54625690 19900806 [1990US-0546256]

FD - Divsn of US276536 19881130 [1988US-0276536]

C.I.P. of US128331 19871202 [1987US-0128331] (Abandoned)

Division of: US4981784

IC - (A) C07K-013/00 C12N-015/12 C12N-015/62 C12N-015/63

EC - C07K-014/705G C12N-015/62

C12Q-001/68P

ICO - M07K-203/00 M07K-207/00 M07K-211/00

PCL - ORIGINAL (O): 435069100; CROSS-REFERENCE (X): 435069700 435252300 435320100 530350000

DT - Corresponding document

CT - Nature 332:850-853, Apr. 28, 1988, Brard et al., Identification of a second human retinoic acid receptor.

Science 240:889-895, May 13, 1988, Evans, The Steroid and Thyroid Hormone Receptor Superfamily.

Nature 330:624-629, Dec. 17, 1987, Giguere et al., Identification of a receptor for the morphogen retinoic acid.

Nature 330:444-450, Dec. 17, 1987, Petkovich et al., A human retinoic acid receptor which belongs to the family of nuclear receptors.

Nature 330:420-421, Dec. 3, 1987, Robertson, Towards a biochemistry of morphogenesis.

Pharm. Rev. 36:935-1005, 1984, Chytil, Retinoic Acid: Biochemistry, Pharmacology, Toxicology, and Therapeutic Use.

PNAS, 84:5645-5649, Aug. 1987, Shubeita et al., Molecular cloning and analysis of functional cDNA and genomic clones encoding bovine cellular retinoic acid . . .

STG - (A) United States patent

AB - A novel retinoic acid receptor is disclosed. The novel receptor is encoded for by cDNA carried on plasmid phRAR1, which has been deposited with the American Type Culture Collection for patent purposes. Chimeric receptor proteins are also disclosed. The chimera are constructed by exchanging functional domains between the glucocorticoid, the mineralocorticoid, the estrogen-related, the thyroid and the retinoic acid receptors. In addition, a novel method for identifying functional ligands for receptor proteins is

disclosed. The method, which takes advantage of the modular structure of the hormone receptors and the idea that the functional domains may be interchangeable, replaces the DNA-binding domain of a putative novel receptor with the DNA-binding domain of a known receptor such as the glucocorticoid receptor. The resulting chimeric construction, when expressed in cells, produces a hybrid receptor whose activation of a ligand-(e.g., glucocorticoid) inducible promoter is dependent on the presence of the new ligand. The novel method is illustrated in part by showing that the ligand for the new receptor protein is the retinoid, retinoic acid.

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DIALOG(R)File 345:Inpadoc/Fam.& Legal Stat
(c) 2003 EPO. All rts. reserv.
8788796
Basic Patent (No, Kind, Date): WO 8905355 Al 19890615 < No. of Patents: 031>
Patent Family:
    Patent No
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Priority Data (No, Kind, Date):
   US 128331 A 19871202
   US 276536 A 19881130
   WO 88US4284 A 19881201
   EP 88311477 A3 19881202
   WO 88US4284 W 19881201
   US 128331 B2 19871202
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AUSTRIA (AT)

AT 124721 PUBLICATION OF TRANSLATION

CEASED DUE TO NON-PAYMENT OF THE ANNUAL FEE (ERLOSCHEN INFOLGE NICHTZ. D. JAHRESGEB.)

182685 ΑT R 19990815 AT REF CORRESPONDS TO EP-PATENT (ENTSPRICHT EP-PATENT)

EP 540065 P 19990728

ΑT 182685 R AT RER 20000115 CEASED AS TO PARAGRAPH 5 3 LAW INTRODUCING PATENT TREATIES (ERLOSCHEN GEM. PAR. 5 ABS. 3 PATVEG.)

AUSTRALIA (AU)

Patent (No, Kind, Date): AU 8928188 A1 19890705

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RETINOIC ACID RECEPTOR COMPOSITION AND METHOD (English)
    Patent Assignee: SALK INST FOR BIOLOGICAL STUDI
    Author (Inventor): EVANS RONALD MARK; GIGUERE VINCENT; ONG ESTELITA
        SEBASTIAN; SEGUI PRUDIMAR SERRANO; UMESONO KAZUHIKO; THOMPSON
      CATHERINE CAROLINE
    Priority (No, Kind, Date):
                               WO 88US4284
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      19871202; US 276536 A 19881130
    Applic (No, Kind, Date): AU 8928188 A
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    Language of Document: English
  Patent (No, Kind, Date): AU 9230268 A1 19930422
    CHIMERIC RECEPTORS AND METHODS FOR IDENTIFICATION (English)
    Patent Assignee: SALK INST FOR BIOLOGICAL STUDI
    Author (Inventor): EVANS RONALD MARK; GIGUERE VINCENT; ONG ESTELITA
        SEBASTIAN; SEGUI PRUDIMAR SERRANO; UMESONO KAZUHIKO; THOMPSON
      CATHERINE CAROLINE
    Priority (No, Kind, Date): US 128331 A
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    CA Abstract No: * 114(13)116377E
    Derwent WPI Acc No: * C 89-192701
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  Patent (No, Kind, Date): AU 628312 B2 19920917
    RETINOIC ACID RECEPTOR COMPOSITION AND METHOD (English)
    Patent Assignee: SALK INST FOR BIOLOGICAL STUDI
    Author (Inventor): EVANS RONALD MARK; GIGUERE VINCENT; ONG ESTELITA
        SEBASTIAN; SEGUI PRUDIMAR SERRANO; UMESONO KAZUHIKO;
      CATHERINE CAROLINE
             (No, Kind, Date):
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    Patent Assignee: SALK INST FOR BIOLOGICAL STUDI
          (Inventor): EVANS RONALD MARK; GIGUERE VINCENT; ONG ESTELITA
       SEBASTIAN; SEGUI PRUDIMAR SERRANO; UMESONO KAZUHIKO; THOMPSON
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   Derwent WPI Acc No: * C 89-192701
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GERMANY (DE)
 Patent (No, Kind, Date): DE 3854120 CO 19950810
   RETINOESAEURE-REZEPTOR-KOMPOSITION UND VERFAHREN ZUR
     LIGAND-IDENTIFIZIERUNG. (German)
   Patent Assignee: SALK INST FOR BIOLOGICAL STUDI
                                                   (US)
   Author (Inventor): EVANS RONALD MARK (US); GIGUERE VINCENT
                                                               (CA); ONG
     ESTELITA SEBASTIAN (US); SEGUI PRUDIMAR SERRANO (US); UMESONO
     KAZUHIKO (US); THOMPSON CATHERINE CAROLINE
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       (German)
    Patent Assignee: SALK INST FOR BIOLOGICAL STUDI
    Author (Inventor): EVANS RONALD MARK (US); GIGUERE VINCENT (CA); ONG
      ESTELITA SEBASTIAN (US); SEGUI PRUDIMAR SERRANO
                                                       (US); UMESONO
      KAZUHIKO (US); THOMPSON CATHERINE CAROLINE (US)
    Priority (No, Kind, Date): US 128331 A
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      LIGAND-IDENTIFIZIERUNG. (German)
    Patent Assignee: SALK INST FOR BIOLOGICAL STUDI (US)
    Author (Inventor): EVANS RONALD MARK (US); GIGUERE VINCENT (CA); ONG
      ESTELITA SEBASTIAN (US); SEGUI PRUDIMAR SERRANO
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      (German)
    Patent Assignee: SALK INST FOR BIOLOG STUDIES L (US)
   Author (Inventor): EVANS RONALD MARK (US); GIGUERE VINCENT (CA); ONG
      ESTELITA SEBASTIAN (US); SEGUI PRUDIMAR SERRANO
                                                       (US); UMESONO
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DENMARK (DK)
  Patent (No, Kind, Date): DK 9001368 A
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    RETINSYRERECEPTORMIDDEL OG FREMGANGSMAADE (Danish)
    Patent Assignee: SALK INST FOR BIOLOGICAL STUDI (US)
    Author (Inventor): EVANS RONALD MARK; THOMPSON CATHERINE CAROLINE;
       GIGUERE VINCENT; ONG ESTELITA SEBASTIAN; SEGUI PRUDIMAR SERRANO;
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    Priority (No, Kind, Date): US 128331
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    Language of Document: Danish
  Patent (No, Kind, Date): DK 9001368 A0 19900601
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    Patent Assignee: SALK INST FOR BIOLOGICAL STUDI (US)
    Author (Inventor): EVANS RONALD MARK; THOMPSON CATHERINE CAROLINE;
      GIGUERE VINCENT; ONG ESTELITA SEBASTIAN; SEGUI PRUDIMAR SERRANO;
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EUROPEAN PATENT OFFICE (EP)

Patent (No, Kind, Date): EP 540065 A1 19930505

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RETINOIC ACID RECEPTOR COMPOSITION (English; French; German)
  Patent Assignee: SALK INST FOR BIOLOGICAL STUDI
                                                   (US)
  Author (Inventor): EVANS RONALD MARK (US); GIGUERE VINCENT
                                                              (CA); ONG
     ESTELITA SEBASTIAN (US); SEGUI PRUDIMAR SERRANO (US); UMESONO
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  CA Abstract No: * 114(13)116377E
  Derwent WPI Acc No: * C 89-192701
  Language of Document: English
Patent (No, Kind, Date): EP 325849 A2 19890802
  RETINOIC ACID RECEPTOR COMPOSITION AND METHOD FOR IDENTIFYING LIGANDS
    (English; French; German)
  Patent Assignee: SALK INST FOR BIOLOGICAL STUDI (US)
  Author (Inventor): EVANS RONALD MARK (US); GIGUERE VINCENT
                                                              (CA); ONG
                         (US); SEGUI PRUDIMAR SERRANO (US); UMESONO
     ESTELITA SEBASTIAN
    KAZUHIKO (US); THOMPSON CATHERINE CAROLINE
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  Priority (No, Kind, Date):
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  CA Abstract No: * 114(13)116377E
  Derwent WPI Acc No: * C 89-192701
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Patent (No, Kind, Date): EP 325849 A3 19911016
 RETINOIC ACID RECEPTOR COMPOSITION AND METHOD FOR IDENTIFYING LIGANDS
    (English; French; German)
 Patent Assignee: SALK INST FOR BIOLOGICAL STUDI
                                                   (US)
 Author (Inventor):
                     EVANS RONALD MARK; GIGUERE VINCENT; ONG ESTELITA
     SEBASTIAN; SEGUI PRUDIMAR SERRANO; UMESONO KAZUHIKO; THOMPSON
   CATHERINE CAROLINE
 Priority (No, Kind, Date):
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 CA Abstract No: * 114(13)116377E
 Derwent WPI Acc No: * C 89-192701
 Language of Document: English
Patent (No, Kind, Date): EP 325849 B1 19950705
 RETINOIC ACID RECEPTOR COMPOSITION AND METHOD FOR IDENTIFYING LIGANDS.
   (English; French; German)
 Patent Assignee: SALK INST FOR BIOLOGICAL STUDI (US)
 Author (Inventor): EVANS RONALD MARK (US); GIGUERE VINCENT
                                                             (CA); ONG
    ESTELITA SEBASTIAN
                        (US); SEGUI
                                       PRUDIMAR SERRANO (US); UMESONO
   KAZUHIKO (US); THOMPSON CATHERINE CAROLINE
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 CA Abstract No: * 114(13)116377E
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Patent (No, Kind, Date): EP 540065 B1 19990728
    METHOD FOR IDENTIFYING LIGANDS FOR RETINOIC ACID RECEPTORS (English;
      French; German)
    Patent Assignee: SALK INST FOR BIOLOGICAL STUDI
                                                     (US)
    Author (Inventor): EVANS RONALD MARK (US); GIGUERE VINCENT (CA); ONG
       ESTELITA SEBASTIAN (US); SEGUI
                                         PRUDIMAR SERRANO (US); UMESONO
      KAZUHIKO (US); THOMPSON CATHERINE CAROLINE (US)
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   Language of Document: English
EUROPEAN PATENT OFFICE (EP)
  Legal Status (No, Type, Date, Code, Text):
   EP 325849
                   Ρ
                     19871202 EP AA
                                             PRIORITY (PATENT
                             APPLICATION) (PRIORITAET (PATENTANMELDUNG))
                             US 128331 A 19871202
   EP 325849
                       19881130 EP AA
                                             PRIORITY (PATENT
                             APPLICATION) (PRIORITAET (PATENTANMELDUNG))
                             US 276536 A 19881130
   EP 325849
                   Ρ
                       19881202 EP AE
                                              EP-APPLICATION
                             (EUROPAEISCHE ANMELDUNG)
                             EP 88311477 A 19881202
                       19890802 EP AK
   EP 325849
                   Ρ
                                              DESIGNATED CONTRACTING
                             STATES IN AN APPLICATION WITHOUT SEARCH
                             REPORT (IN EINER ANMELDUNG OHNE
                             RECHERCHENBERICHT BENANNTE VERTRAGSSTAATEN)
                             AT BE CH DE ES FR GB GR IT LI LU NL SE
   EP 325849
                       19890802 EP A2
                                             PUBLICATION OF APPLICATION
                             WITHOUT SEARCH REPORT (VEROEFFENTLICHUNG DER
                             ANMELDUNG OHNE RECHERCHENBERICHT)
   EP 325849
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                       19911016 EP AK
                                             DESIGNATED CONTRACTING
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                             AT BE CH DE ES FR GB GR IT LI LU NL SE
   EP 325849
                       19911016 EP A3
                                             SEPARATE PUBLICATION OF THE
                             SEARCH REPORT (ART. 93) (GESONDERTE
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                             (ART. 93))
   EP 325849
                       19920527 EP 17P
                                             REQUEST FOR EXAMINATION
                             FILED
                                   (PRUEFUNGSANTRAG GESTELLT)
                             920326
   EP 325849
                   Ρ
                       19920819 EP 170
                                             FIRST EXAMINATION REPORT
                             (ERSTER PRUEFUNGSBESCHEID)
                             920706
                      19930505 EP AH DIVISIONAL APPLICATION (TEILANMELDUNG (ART. 76) IN:)
   EP 325849
                  Ρ
                                             DIVISIONAL APPLICATION (ART.
                             EP 540065 P
   EP 325849
                  Ρ
                      19930526 EP RIN1
                                             INVENTOR (CORRECTION)
                             (ERFINDER (KORR.))
                             EVANS, RONALD MARK, ; GIGUERE, VINCENT, ;
                             ONG, ESTELITA SEBASTIAN, ; SEGUI, PRUDIMAR
                             SERRANO; UMESONO, KAZUHIKO,; THOMPSON,
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El	P 325849	Ρ.	CATHERINE CAROLINE 19930609 EP RIN1 INVENTOR (CORRECTION) (ERFINDER (KORR.)) EVANS, RONALD MARK, ; GIGUERE, VINCENT, ; ONG, ESTELITA SEBASTIAN, ; SEGUI, PRUDIMAR SERRANO ; UMESONO, KAZUHIKO, ; THOMPSON,
EI	2 325849	P	CATHERINE CAROLINE 19950705 EP AK DESIGNATED CONTRACTING STATES MENTIONED IN A PATENT SPECIFICATION (IN EINER PATENTSCHRIFT ANGEFUEHRTE BENANNTE VERTRAGSSTAATEN)
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E	2 325849	P	19950705 EP REF IN AUSTRIA REGISTERED AS: (IN AT EINGETRAGEN ALS:) AT 124721 R 19950715
EF	325849	P	19950705 EP XX MISCELLANEOUS: (DIVERSES:)
			TEILANMELDUNG 92121951.5 EINGEREICHT AM
EP	325849	Р	02/12/88.
			TRADUCTION A ETE REMISE)
EP	325849	P	PATENT FILED (IT: DEPOSITO TRADUZIONE DI BREVETTO EUROPEO)
ΕP	325849	P	DR. ING. A. RACHELI & C. 19950810 EP REF CORRESPONDS TO: (ENTSPRICHT) DE 3854120 P 19950810
EP	325849	P	19950816 ES FG2A/REG DEFINITIVE PROTECTION (PROTECCION DEFINITIVA)
ΕP	325849	Р	2073408T3 19960703 EP 26N NO OPPOSITION FILED (KEIN EINSPRUCH EINGELEGT)
ΕP	325849	P	19990728 EP AH DIVISIONAL APPLICATION (ART. 76) IN: (TEILANMELDUNG (ART. 76) IN:) EP 540065 P
		P	20000630 EP BERE BE: LAPSED (BE: DECHU) 19991231 THE ;SALK INSTITUTE FOR BIOLOGICAL STUDIES
EP	325849	Р	20000814 EP EUG SE: EUROPEAN PATENT HAS LAPSED (SE: EUROPEISKT PATENT HAR UPPHOERT ATT GAELLA) 88311477.9
EP	325849	P	20000901 EP NLV4 NL: LAPSED OR ANULLED DUE TO NON-PAYMENT OF THE ANNUAL FEE (NL: VERVALLEN WEGENS NIET BETALEN VAN EEN JAARCIJNS) 20000701
ΕP	325849	P	20020101 GB IF02/REG EUROPEAN PATENT IN FORCE AS OF 2002-01-01
ΕP	325849	P	20020724 EP GBPC GB: EUROPEAN PATENT CEASED THROUGH NON-PAYMENT OF RENEWAL FEE 20011202
ΕP	325849	P	20020815 CH PL/REG PATENT CEASED (LOESCHUNG/RADIATION/RADIAZION)
ΕP	325849	P	20020927 FR ST/REG LAPSED (CONSTATATION DE DECHEANCES)
EP	540065	Р	19871202 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))

US 128331 A 19871202

E	P 540065	Р	19881130 EP AA PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))
E	P 540065	Р	(AUSSCHEIDUNG AUS)
E.	P 540065	Р	EP 88311477 A3 19881202 19881202 EP AE EP-APPLICATION (EUROPAEISCHE ANMELDUNG) EP 92121951 A 19881202
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El	P 540065	P	19930505 EP AK DESIGNATED CONTRACTING STATES IN AN APPLICATION WITH SEARCH REPORT (IN EINER ANMELDUNG BENANNTE VERTRAGSSTAATEN)
	2 540065	Р	AT BE CH DE ES FR GB GR IT LI LU NL SE 19930505 EP A1 PUBLICATION OF APPLICATION WITH SEARCH REPORT (VEROEFFENTLICHUNG DER ANMELDUNG MIT RECHERCHENBERICHT)
EF	? 540065	Р	19930526 EP RIN1 INVENTOR (CORRECTION) (ERFINDER (KORR.)) EVANS, RONALD MARK; GIGUERE, VINCENT; ONG, ESTELITA SEBASTIAN; SEGUI, PRUDIMAR SERRANO
EF	P 540065	Р	; UMESONO, KAZUHIKO ; UMESONO, KAZUHIKO 19930623 EP RIN1 INVENTOR (CORRECTION) (ERFINDER (KORR.)) EVANS, RONALD MARK ; GIGUERE, VINCENT ; ONG, ESTELITA SEBASTIAN ; SEGUI, PRUDIMAR SERRANO ; UMESONO, KAZUHIKO ; UMESONO, KAZUHIKO
EP	. 540065	Р	19930707 EP RIN1 INVENTOR (CORRECTION) (ERFINDER (KORR.)) EVANS, RONALD MARK; GIGUERE, VINCENT; ONG, ESTELITA SEBASTIAN; SEGUI, PRUDIMAR SERRANO; UMESONO, KAZUHIKO
ΕP	540065	P	19930721 EP RIN1 INVENTOR (CORRECTION) (ERFINDER (KORR.))
			EVANS, RONALD MARK; GIGUERE, VINCENT; ONG, ESTELITA SEBASTIAN; SEGUI, PRUDIMAR SERRANO; UMESONO, KAZUHIKO; THOMPSON, CATHERINE CAROLINE
ΕP	540065	Р	19930818 EP 17P REQUEST FOR EXAMINATION FILED (PRUEFUNGSANTRAG GESTELLT) 930621
EP	540065	Р	19960320 EP 17Q FIRST EXAMINATION REPORT (ERSTER PRUEFUNGSBESCHEID) 960205
EP	540065	P	19990728 EP AC DIVISIONAL APPLICATION (ART. 76) OF: (TEILANMELDUNG (ART. 76) AUS:) EP 325849 P
EP	540065	P	19990728 EP AK DESIGNATED CONTRACTING STATES MENTIONED IN A PATENT SPECIFICATION: (IN EINER PATENTSCHRIFT ANGEFUEHRTE BENANNTE VERTRAGSSTAATEN) AT BE CH DE ES FR GB GR IT LI LU NL SE
ΕP	540065	P	19990728 EP B1 PATENT SPECIFICATION (PATENTSCHRIFT)
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ΕP	540065	P	19990730 CH EP/REG ENTRY IN THE NATIONAL PHASE

E	2 540065	Р	(EINTRITT IN DIE NATIONALE PHASE) 19990902 EP REF CORRESPONDS TO: (ENTSPRICHT)
E	2 540065	P	TK: IIIIIODAILON LILLION (FK)
ΕF	2 540065	P	TRADUCTION A ETE REMISE) 20000103 EP NLV1 NL: LAPSED OR ANNULED DUE TO FAILURE TO FULFILL THE REQUIREMENTS OF ART.
			EATLORE TO FOLFILL THE REQUIREMENTS OF ART. 29P AND 29M OF THE PATENTS ACT; NO LEGAL EFFECT FROM THE DATE OF (NL: WIRKUNG IN NL NICHT EINGETRETEN (ART. 29P UND 29M NL PATG.))
ΕP	540065	P	20000131 CH PL/REG PATENT CEASED (LOESCHUNG/RADIATION/RADIAZION)
ΕP	540065	Р	20000614 EP 25 LAPSED AS TO RULE 92 1 P (ERLOSCHEN GEM. REGEL 92 1 P) AT 19990728
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EP	540065	P	20000621 EP 26 OPPOSITION FILED (EINSPRUCH EINGELEGT)
П.	E 400 C E	_	20000425 SMITHKLINE BEECHAM PLC
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EP 540065	P	AT 19990728 20020101 GB IF02/REG EUROPEAN PATENT IN FORCE AS OF 2002-01-01
EP 540065	Р	20020605 EP 25 LAPSED IN A CONTRACTING STATE (ERLOSCHEN IN EINEM VERTRAGSSTAAT)
EP 540065	Р	AT 19990728 20020605 EP 25 LAPSED IN A CONTRACTING
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EP 540065		STATE (ERLOSCHEN IN FINEM VEDTRACECTARM)
EP 540065	Р	AT 19990728 20020605 EP 25 LAPSED IN A CONTRACTING
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EP 540065	Р	20020927 FR ST/REG LAPSED (CONSTATATION DE DECHEANCES)
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21 010000		STATE (ERLOSCHEN IN EINEM VERTRAGSSTAAT)
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EP 540065	Р	20030205 EP RIC2 CLASSIFICATION (CORRECTION)
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		7G 01N 33/68 A, 7G 01N 33/74 B, 7C 12N 15/12 B, 7C 07K 14/705 B
EP 540065	P	20030212 EP 25 LAPSED IN A CONTRACTING
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EP 540065	P	TITE DED IN IT CONTINACTING
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EP 540065	Р	20030212 EP 25 LAPSED IN A CONTRACTING
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DD 540065	_	AT 19990728
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EP 540065	P	20030212 EP 25 LAPSED IN A CONTRACTING
		STATE (ERLOSCHEN IN EINEM VERTRAGSSTAAT)
FD 540065	ח	AT 19990728
EF 340003	Р	20030212 EP 25 LAPSED IN A CONTRACTING STATE (ERLOSCHEN IN EINEM VERTRAGSSTAAT)
		AT 19990728
EP 540065	Р	20030226 EP RIC2 CLASSIFICATION (CORRECTION)
		(KLASSIFIKATION (KORR.))
		7G 01N 33/68 A, 7G 01N 33/74 B, 7C 12N 15/12 B, 7C 07K 14/705 B
		2, 10 01K 14/103 B
AIN (ES)		

SPAIN (ES)

Patent (No, Kind, Date): ES 2073408 T3 19950816

COMPOSICION DE RECEPTOR DE ACIDO RETINOICO Y METODO PARA IDENTIFICAR LIGANDOS. (Spanish)

Patent Assignee: SALK INST FOR BIOLOGICAL STUDI

Author (Inventor): EVANS RONALD MARK (US); GIGUERE VINCENT (CA); ONG ESTELITA SEBASTIAN (US); SEGUI PRUDIMAR SERRANO (US); UMESONO KAZUHIKO (US); THOMPSON CATHERINE CAROLINE (US)

Priority (No, Kind, Date): US 128331 19871202; US 276536 A 19881130

Applic (No, Kind, Date): ES 88311477 EP 19881202

Addnl Info: 0325849 EP patent valid in AT IPC: * C12N-015/12; C12P-021/02; C12N-015/62; C12N-005/10; C12Q-001/68 CA Abstract No: * 114(13)116377E

13

Derwent WPI Acc No: * C 89-192701 Language of Document: Spanish SPAIN (ES) Legal Status (No, Type, Date, Code, Text): ES 2073408 P 19950816 ES FG2A DEFINITIVE PROTECTION (PROTECCION DEFINITIVA) 325849 IRELAND (IE) Patent (No, Kind, Date): IE 9668590 B 19960626 RETINOIC ACID RECEPTOR COMPOSITION AND METHOD FOR IDENTIFYING LIGANDS (English) Patent Assignee: SALK INST FOR BIOLOGICAL STUDI (US) Author (Inventor): EVANS RONALD MARK; GIGUERE VINCENT; ONG ESTELITA SEBASTIAN; SEGUI PRUDIMAR SERRANO; UMESONO KAZUHIKO Priority (No, Kind, Date): US 128331 A 19871202; US 276536 A 19881130 Applic (No, Kind, Date): IE 883621 A 19881202 IPC: * C12N-015/12; C12N-015/62; C12P-021/02; C12Q-001/68 CA Abstract No: * 114(13)116377E Derwent WPI Acc No: * C 89-192701 Language of Document: English IRELAND (IE) Legal Status (No, Type, Date, Code, Text): IE 68590 P 20000920 IE MM4A PATENT LAPSED JAPAN (JP) Patent (No, Kind, Date): JP 10279599 A2 19981020 CONFIGURATION OF RFTINOIN RECEPTOR AND METHOD (English) Patent Assignee: SALK INST FOR BIOLOGICAL STUDI Author (Inventor): EVANS RONALD M; GIGUERE VINCENT; ONG ESTELITA SEBASTIAN; SEGUI PRUDIMAR SERRANO; UMESONO KAZUHIKO; THOMPSON CATHERINE C Priority (No, Kind, Date): US 128331 A 19871202; US 276536 A 19881130 Applic (No, Kind, Date): JP 97299300 A 19970925 C07K-014/705; C07K-014/72; C07K-019/00; C12N-005/10; C12N-015/09; C12P-021/02; C12R-001-91 CA Abstract No: * 114(13)116377E Derwent WPI Acc No: * C 89-192701 Language of Document: Japanese Patent (No, Kind, Date): JP 10295385 A2 19981110 CONSTITUTION OF RETINOIN RECEPTOR, AND METHOD FOR IDENTIFICATION OF FUNCTIONAL LIGAND TO RECEPTOR (English) Patent Assignee: SALK INST FOR BIOLOGICAL STUDI Author (Inventor): EVANS RONALD M; GIGUERE VINCENT; ONG ESTELITA SEBASTIAN; SEGUI PRUDIMAR SERRANO; UMESONO KAZUHIKO; THOMPSON CATHERINE C Priority (No, Kind, Date): US 128331 Α 19871202; US 276536 A 19881130 Applic (No, Kind, Date): JP 97299299 A 19970925 * C12N-015/09; C07K-014/705; C07K-014/72; C07K-019/00; IPC: C12P-021/02; G01N-033/15; G01N-033/566; G01N-033/50; C12R-001-91 CA Abstract No: * 114(13)116377E Derwent WPI Acc No: * C 89-192701 Language of Document: Japanese Patent (No, Kind, Date): JP 3006716 B2 20000207 Patent Assignee: SALK INST FOR BIOLOGICAL STUDI

Author (Inventor): EUANSU RONARUDO MAAKU; JIGYUURU UINSENTO; ONGU ESUTERITA SEBASUCHAN; SEGYUI PURUDEIMAA SERAANO; UMESONO KAZUHIKO;

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TONPUSON KYASARIN KYARORAIN
    Priority (No, Kind, Date):
                              US 128331
                                                 19871202; US 276536 A
                                            Α
      19881130
    Applic (No, Kind, Date): JP 88500616 A
                                           19881201
    IPC:
               C12N-015/09;
                              C07K-014/705; C12N-005/10;
                                                            C12P-021/02;
      C12R-001-91
    Language of Document: Japanese
  Patent (No, Kind, Date): JP 3503597 T2 19910815
    Priority (No, Kind, Date): WO 88US4284
                                            W
                                                  19881201; US 128331 A
      19871202; US 276536 A
                             19881130
    Applic (No, Kind, Date): JP 89500616 A
                                            19881201
    IPC: * C12N-015/12; C07K-015/06; C12P-021/02; C12R-001-91
    CA Abstract No: * 114(13)116377E
    Derwent WPI Acc No: * C 89-192701
    Language of Document: Japanese
KOREA, REPUBLIC (KR)
  Patent (No, Kind, Date): KR 9709951 B1 19970619
    RETINOIC ACID RECEPTOR COMPOSITION AND METHOD (English)
    Patent Assignee: SALK INST FOR BIOLOGICAL STUDI
                                                    (US)
   Author (Inventor): EVANS RONALD MARK (US); GIGUERE VINCENT (CN); ONG
      ESTELITA SEBASTIN
                          (US); SEGUI PRUDIMAR SERRANO
                                                            (US); UMESONO
     KAZUHIKO (US); THOMPSON CATHERINE CAROLINE
                                                  (US)
   Priority (No, Kind, Date):
                              US 128331
                                                 19871202; US 276536 A
                                           Α
      19881130; WO 88US4284 W
                              19881201
   Applic (No, Kind, Date): KR 8971441 A
                                           19890801
   IPC: * C12N-015/00; C12P-021/02
   CA Abstract No: * 114(13)116377E
   Derwent WPI Acc No: * C 89-192701
   Language of Document: Korean
UNITED STATES OF AMERICA (US)
 Patent (No, Kind, Date): US 4981784 A
                                       19910101
   RETINOIC ACID RECEPTOR METHOD (English)
   Patent Assignee: SALK INST FOR BIOLOGICAL STUDI
   Author (Inventor): EVANS RONALD M (US); ONG ESTELITA
                                                          (US); SEGUI
     PRUDIMAR S (US); THOMPSON CATHERINE C (US); UMESONO KAZUHIKO
     GIGUERE VINCENT (CA)
   Priority (No, Kind, Date): US 128331 B2 19871202
   Applic (No, Kind, Date): US 276536 A 19881130
   National Class: * 435006000; 435069100; 435069400; 435069700;
     435070100; 435172100; 435172300; 935009000; 935010000; 935013000;
     935076000
   IPC: * C12Q-001/68; C12P-021/00; C12N-015/00
   Derwent WPI Acc No: * C 89-192701
   Language of Document: English
 Patent (No, Kind, Date): US 5171671 A
   RETINOIC ACID RECEPTOR COMPOSITION (English)
   Patent Assignee: SALK INST FOR BIOLOGICAL STUDI
                                                    (US)
   Author (Inventor): EVANS RONALD M (US); ONG ESTELITA S (US); SEGUI
     PRUDIMAR S (US); THOMPSON CATHERINE C (US); UEMSONO KAZUHIKO
     GIGUERE VINCENT (CA)
   Priority (No, Kind, Date): US 276536 A3 19881130; US 128331 B2
    19871202
   Applic (No, Kind, Date): US 546256 A
                                         19900806
   Addnl Info: 4981784 Patented
   National Class: * 435069100; 435069700; 435257300; 435320100;
     530350000; 536027000
   IPC: * C12N-015/12; C12N-015/62; C12N-015/63; C07K-013/00
   CA Abstract No: * 114(13)116377E
   Derwent WPI Acc No: * C 89-192701
   Language of Document: English
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Patent (No, Kind, Date): US 5274077 A
  RETINOIC ACID RECEPTOR COMPOSITION (English)
  Patent Assignee: SALK INST FOR BIOLOGICAL STUDI
                                                    (US)
  Author (Inventor): EVANS RONALD M (US); ONG ESTELITA S (US); SEGUI
    PRUDIMAR S (US); THOMPSON CATHERINE C (US); UMESONO KAZUHIKO (US);
    GIGUERE VINCENT (CA)
  Priority (No, Kind, Date): US 546256 A3 19900806; US 276536 A3
    19881130; US 128331 B2 19871202
  Applic (No, Kind, Date): US 975777 A
                                         19921113
  Addnl Info: 5171671 19921215 Patented; 4981784 19910101 Patented
  National Class: * 530350000; 530358000; 435069100; 435252300
 IPC: * C07K-013/00; C12N-015/12
  CA Abstract No: * 114(13)116377E
  Derwent WPI Acc No: * C 89-192701
  Language of Document: English
Patent (No, Kind, Date): US 5548063 A
                                        19960820
  RETINOIC ACID RECEPTOR ALPHA PROTEINS Retinoic acid receptor alpha
    proteins (English)
  Patent Assignee: SALK INST FOR BIOLOGICAL STUDI
  Author (Inventor): EVANS RONALD M (US); ONG ESTELITA S (US); SEGUI
    PRUDIMAR S (US); THOMPSON CATHERINE C (US); UMESONO KAZUHIKO (US);
    GIGUERE VINCENT (CA)
  Priority (No, Kind, Date): US 179912 A
                                           19940111; US 845857 A1
    19920303; US 546570 B3 19900806; US 276536 A3 19881130; US 128331
    B2 19871202
  Applic (No, Kind, Date): US 179912 A
  Addnl Info: 4981784 Patented
  National Class: * 530350000; 530324000; 435069100
  IPC: * C07K-014/705
  CA Abstract No: * 114(13)116377E
  Derwent WPI Acc No: * C 89-192701
  Language of Document: English
Patent (No, Kind, Date): US 5571692 A
                                       19961105
  RETINOIC ACID RECEPTOR ALPHA, VECTORS AND CELLS COMPRISING THE SAME
    DNA ENCODING Retinoic acid receptor alpha , vectors and cells
    comprising the same DNA encoding (English)
  Patent Assignee: SALK INST FOR BIOLOGICAL STUDI
                                                   (US)
  Author (Inventor): EVANS RONALD M (US); ONG ESTELITA S (US); SEGUI
    PRUDIMAR S (US); THOMPSON CATHERINE C (US); UMESONO KAZUHIKO
    GIGUERE VINCENT (CA)
  Priority (No, Kind, Date): US 168686 A
                                          19931216; US 845857
    19920303; US 546570 B3 19900806; US 276536 A3 19881130; US 128331
      19871202
 Applic (No, Kind, Date): US 168686 A
                                        19931216
 Addnl Info: 4981784 Patented
 National Class: * 435069100; 435240200; 435252300; 435254110;
   435320100; 536023500
  IPC: * C12N-015/12; C12N-015/63; C12N-005/10; C12N-001/21
 CA Abstract No: * 114(13)116377E
 Derwent WPI Acc No: * C 89-192701
 Language of Document: English
Patent (No, Kind, Date): US 5599904 A
                                      19970204
 CHIMERIC STEROID HORMONE SUPERFAMILY RECEPTOR PROTEINS (English)
 Patent Assignee: SALK INST FOR BIOLOGICAL STUDI (US)
 Author (Inventor): EVANS RONALD M (US); ONG ESTELITA S (US); SEGUI
   PRUDIMAR S (US); THOMPSON CATHERINE C (US); UMESONO KAZUHIKO
   GIGUERE VINCENT (CA)
 Priority (No, Kind, Date): US 845857 A 19920303; US 546570 19900806; US 276536 A3 19881130; US 128331 B2 19871202
                                         19920303; US 546570
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 Addnl Info: 4981784 Patented
 National Class: * 530350000; 435069100; 435069700; 935036000
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CA Abstract No: * 114(13)116377E
Derwent WPI Acc No: * C 89-192701
Language of Document: English
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                              SALK INSTITUTE FOR BIOLOGICAL STUDIES, THE,
                              SAN DIEGO, CA A CA NOT-FOR-PROFIT CO ; EVANS,
                              RONALD M. : 19881202; ONG, ESTELITA S. :
                              19881202; SEGUI, PRUDIMAR S. : 19881202;
                              THOMPSON, CATHERINE C: 19881202;
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                              10010 NORTH TORREY PINES ROAD LA JOLL ;
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US 5548063
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WORLD INTELLECTUAL PROPERTY ORGANIZATION, PCT (WO)
  Patent (No, Kind, Date): WO 8905355 A1 19890615
    RETINOIC ACID RECEPTOR COMPOSITION AND METHOD (English)
    Patent Assignee: SALK INST FOR BIOLOGICAL STUDI
    Author (Inventor): EVANS RONALD MARK (US); GIGUERE VINCENT
                                                                  (CA); ONG
       ESTELITA SEBASTIAN
                             (US); SEGUI PRUDIMAR SERRANO
                                                              (US); UMESONO
      KAZUHIKO
               (US); THOMPSON CATHERINE CAROLINE
                                                   (US)
    Priority (No, Kind, Date):
                                US 128331
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    Applic (No, Kind, Date): WO 88US4284 A
                                             19881201
    Designated States: (National) AU; DK; JP; KR
    Filing Details: WO 13000
                                 With international search report; Before
                 of time limit for amending the claims and
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   IPC: * C12P-021/02; C12P-019/34; C12P-015/00; C07H-015/12; C12Q-001/68
      ; C12N-005/00; C12N-001/00; C07K-013/00
   CA Abstract No: ; 114(13)116377E
   Derwent WPI Acc No: ; C 89-192701
   Language of Document: English
WORLD INTELLECTUAL PROPERTY ORGANIZATION, PCT (WO)
 Legal Status (No, Type, Date, Code, Text):
   WO 8905355
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INTERNATIONAL APPLICATION WITH THE INTERNATIONAL SEARCH REPORT (PUB. OF THE INTERNATIONAL APPL. WITH THE INTERNATIONAL SEARCH REPORT)